

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An apparatus for connecting a TV (Television Set) and a computer, comprising:

a TV coding unit for encoding control signals including a TV signal generated in a TV and generating a first packet signal;

a computer coding unit for encoding a computer signal including at least one of a video signal, an audio signal and a control signal generated in a computer and generating a second packet signal;

a TV transmission and receiving unit, provided in the TV, for receiving the first packet signal, transmitting the received first packet signal to the ~~outside computer~~ and receiving the second packet signal from the ~~outside computer~~;

a computer transmission and receiving unit, provided in the computer, for receiving the second packet signal, transmitting the received second packet signal to the outside and receiving the first packet signal from the ~~outside TV~~;

a TV decoding unit, provided in the TV, for receiving the second packet signal from the TV transmission and receiving unit, decoding the same and recovering into an original signal;

a computer decoding unit for receiving the first packet signal from the computer transmission and receiving unit, decoding the received first packet signal and recovering into an original signal; and

a transmission line connected between the TV transmission and receiving unit and the computer transmission and receiving unit of the computer for transmitting the first packet signal and the second packet signal.

2. (Original) The apparatus of claim 1, wherein said transmission line includes:

a first transmission line for transmitting the first packet signal from the TV transmission and receiving unit to the computer transmission and receiving unit; and

a second transmission line for transmitting the second packet signal from the computer transmission and receiving unit to the TV transmission and receiving unit.

Claims 3-4. (Canceled)

5. (Currently Amended) A computer, comprising:

a computer coding unit for encoding a computer signal including at least one of a video signal, an audio signal and a control signal generated in a computer and generating a second packet signal;

a computer transmission and receiving unit for transmitting the second packet signal to the outside and receiving a first packet signal output from a television;

a computer decoding unit for decoding the first packet signal received from the television and recovering into an original signal; and

an interface unit for inputting the signal recovered by the computer decoding unit into a main board of the computer.

6. (Previously Presented) The computer of claim 5, wherein said first packet signal is generated by encoding at least one control signal generated in the television which is separately installed.

7. (Previously Presented) A computer operation method, comprising:
performing a main routine;
outputting a video signal data, an audio signal data and a control data of a computer to a TV; and
receiving a mouse data, a keyboard data and a control data from the TV.

8. (Previously Presented) A TV (Television set) operation method, comprising:
performing a main routine;
receiving a video signal data, an audio signal data and a control data from a computer; and
outputting a mouse data, a keyboard data and a control data to the computer.

9. (Currently Amended) A method, comprising:
generating a signal in a television; and
sending the signal from the television to a personal computer,
wherein the signal from the television controls a function performed by the
personal computer.
10. (Canceled)
11. (Currently Amended) The method of claim 9, wherein the signal from the television includes one of mouse data and keyboard data.
12. (Currently Amended) The method of claim 9, wherein the signal from the television includes microphone data.
13. (Currently Amended) The method of claim 9, wherein the signal from the television is generated based on information received from a television input unit.
14. (Previously Presented) The method of claim 13, wherein the information is wirelessly received from the television input unit.
15. (Previously Presented) The method of claim 13, wherein the television input unit is one of a microphone, keyboard, and mouse.

16. (Previously Presented) The method of claim 9, wherein the signal is sent from the television to the computer over a wireless link.
17. (Previously Presented) An interface, comprising:
 - an encoder which encodes a signal generated by a television; and
 - a transmitter which transmits the encoded signal, wherein the encoded signal includes data for controlling a personal computer.
18. (Previously Presented) The interface of claim 17, wherein the data includes one of mouse data and keyboard data.
19. (Previously Presented) The interface of claim 17, wherein the data includes microphone data.
20. (Previously Presented) The interface of claim 17, wherein the transmitter is a wireless transmitter.
21. (Currently Amended) A method, comprising:
 - encoding a signal output from a television circuit; and
 - sending the encoded signal to a personal computer,
 - wherein the encoded signal output from the television circuit includes data for controlling a personal computer.

22. (Canceled)

23. (Previously Presented) The method of claim 21, wherein the data includes one of mouse data and keyboard data.

24. (Previously Presented) The method of claim 21, wherein the data includes microphone data.

25. (Currently Amended) The method of claim 21, wherein the encoded signal output from the television circuit is wirelessly transmitted to the personal computer.

26. (Currently Amended) A method, comprising:
receiving a signal output from a television; and
decoding the signal for input into a circuit of a personal computer,
wherein the signal output from the television includes information for controlling
a function performed by a personal computer.

27. (Canceled).

28. (Previously Presented) The method of claim 26, wherein the signal includes one of mouse data and keyboard data.

29. (Previously Presented) The method of claim 26, wherein the signal includes microphone data.

30. (Previously Presented) The method of claim 26, wherein the signal output from the television is received along a wireless link.

31. (Previously Presented) A system, comprising:
a first interface unit coupled to a television; and
a second interface unit coupled to a personal computer,
wherein the first interface unit sends a signal generated in the television to the personal computer over a communications link and the signal controls a function performed by the personal computer.

32. (Canceled)

33. (Previously Presented) The system of claim 31, wherein the signal includes at least one of mouse data and keyboard data.

34. (Previously Presented) The system of claim 31, wherein the signal includes microphone data.

35. (Previously Presented) The system of claim 31, wherein the communications link is a wireless link.